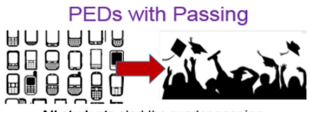
SWBAT

observe properties of projectiles

Sep 4-7:31 AM

Welcome!!!

SECA CP Physics
Tuesday 8 December 2015



H. Leslie Grebe
Room C-244

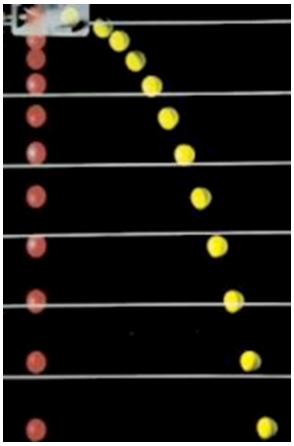
Centering (quotes)

- Show me you are passing on SchoolView, or secure phone!
- get a computer and log in!

Opening Activity - Quick Write!

What conclusions did we draw about projectiles v_x and v_y? → SPEEDING UP ↳ STAYS SAME

-OR- What was hardest about this activity?



Don't watch the clock; do what it does. Keep going.
Sam Levenson

Sep 7-7:04 AM

What we should have solid:

Memorize our 5 vocab cards, units, vector or not, definition, formula (SPEED)

Be able to answer distance vs displacement questions

Be able to make measurements of real-life motion. Know what is likely to make timing things difficult and how to get more reliable timing results

Be able to convert between miles and meters, between hours, minutes, and seconds

Be able to calculate speed = dist/time and velocity = disp/time

Know what all of the symbols in the UAM equations stand for and mean

Be able to turn a UAM word problem into a list of knowns and unknowns

Be able to pick the equation with those 4 things in it

Be able to put the knowns into that equation

(Be able to solve for the unknown)

→ PROJECTILES: V_x IS CONSTANT ; V_y CHANGES $a_y = -9.81 m/s^2$ PG 42

QW every day to review? Volunteer answers on board?

Dec 4-9:15 AM

Homework DUE WED 12/9

2 VIDEOS

* FP: Introduction to Projectile Motion - pg 43

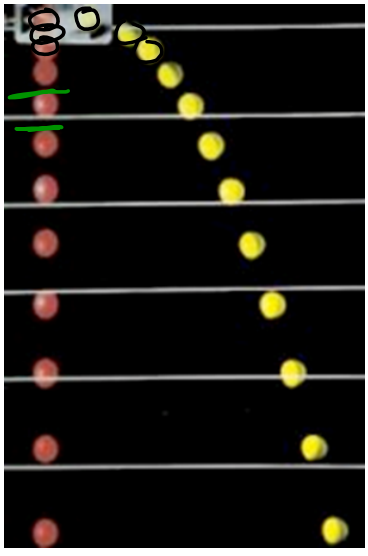
* FP: An Introductory **Projectile Motion Problem** with an Initial Horizontal Velocity - **Part 1** of 2 - pg 45

Dec 7-8:20 AM

InterActive Notebook - Table of Contents

Unit_____ Chapters_____ Date_____

Sep 5-9:09 AM



PROJECTILES LAUNCHED

FRI

SPEED: y
VERTICAL

.1
↓
.5

MON
.10 - .15

SPEED: x
HORIZONTAL
SAME
.1~

SPEED = DIST / TIME

SIDEWAYS
x
HORIZONTAL

UP | DOWN
y
VERTICAL

Dec 2-8:36 AM

Experiment with Projectiles

Google "Phet projectile motion"

What conclusions can you draw???

$90^\circ <$ ANGLE $< 45^\circ$

Dec 8-9:11 AM